

Objective Type Questions (*Latest as per new CBSE changes*), Class IX, 07-04 -2019

Q.1.	The value of $4\sqrt{28} \div 3\sqrt{7}$ is :			
	A $\frac{8}{3}$	B $\frac{16}{3}$	C $\frac{24}{3}$	D $\frac{18}{3}$
Q.2.	If $x = \frac{\sqrt{7}}{5}$ and $\frac{5}{x} = p\sqrt{7}$ then the value of p is :			
	A $\frac{5}{\sqrt{7}}$	B $\frac{5}{\sqrt{7}}$	C $\frac{5}{\sqrt{7}}$	D 4
Q.3.	The value of $\frac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$ is equal to			
	A $\sqrt{2}$	B 2	C 4	D 8
Q.4.	A rational number between $\sqrt{2}$ and $\sqrt{3}$ is:			
	A $\frac{\sqrt{2} + \sqrt{3}}{2}$	B $\frac{\sqrt{2} \times \sqrt{3}}{2}$	C 1.5	D 1.8
Q.5.	Value of $(256)^{0.16} \times (256)^{0.09}$ is			
	A 4	B 16	C 64	D 256.25
Q.6.	The value of $2.\bar{9}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$, is			
	A $\frac{299}{1000}$	B $\frac{19}{10}$	C $\frac{26}{9}$	D 3
Q.7.	Between two rational numbers			
	A there is no rational number	B there is exactly one rational number	C there are infinitely many rational numbers	D there are only rational numbers and no irrational numbers
Q.8.	Which of the following is irrational?			
	A 0.14	B $0.14\overline{16}$	C $0.\overline{1416}$	D 0.4014001400014...
Q.9.	The value of $(125)^{\frac{-1}{3}}$			
	A 25	B $\frac{1}{5}$	C 5	D $\frac{-1}{5}$
Q.10.	The number $(3 - \sqrt{3})(3 + \sqrt{3})$ is			
	A an irrational number	B a rational number	C Not an integer	D None of these

Q.11.	The value of $\frac{1}{\sqrt{10}}$ when $\sqrt{10} = 3.162$ is			
	A	0.3162	B	31.62
	C	0.03612	D	316.2
Q.12.	On simplifying $8^3 \times 2^4$, we get			
	A	16^7	B	2^{13}
	C	2^{10}	D	8^4
Q.13	The value of $\sqrt{(3)^{-2}}$ is			
	A	$\frac{1}{9}$	B	9
	C	-3	D	$\frac{1}{3}$
Q.14	Two rational numbers between $\frac{2}{3}$ and $\frac{5}{3}$ are			
	A	$\frac{1}{6}$ and $\frac{2}{6}$	B	$\frac{1}{2}$ and $\frac{2}{1}$
	C	$\frac{5}{6}, \frac{7}{6}$	D	$\frac{2}{3}$ and $\frac{4}{3}$
Q.15	If $x = \frac{2}{3+\sqrt{7}}$, $(x-3)^2 =$			
	A	1	B	3
	C	6	D	7
Q.16	$\left[\left[(16)^{\frac{1}{2}}\right]^{\frac{1}{2}}\right]^{\frac{1}{2}} = m$. The value of 'm' is			
	A	4	B	2
	C	4^2	D	1
Q.17	Express $3\frac{4}{5}$ in the decimal form.			
	A	0.8	B	3.4
	C	0.5	D	3.8
Q.18	Simplify : $6\sqrt{3} + 5\sqrt{12}$			
	A	$16\sqrt{3}$	B	$11\sqrt{15}$
	C	$16\sqrt{6}$	D	$21\sqrt{2}$
Q.19	Find the value of p if $5^{p-3} \times 3^{2p-8} = 225$.			
	A	0	B	1
	C	5	D	25
Q.20	The simplified value of $(81)^{-\frac{1}{4}} \times \sqrt[4]{81}$			
	A	9	B	1
	C	$\frac{1}{9}$	D	$\frac{1}{3}$